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(54) **POLYMODAL DETECTION NOTIFICATION AND FIRST RESPONSE PEST TREATMENT SYSTEM**

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(57) **ABSTRACT**

The present invention relates to a method and system for providing biological detection. The system includes: at least one polymodal sensor for collectively detecting at least two conditions; and at least one node, each node including at least one of the polymodal sensors. The system also includes at least one data collector; each data collector communicating with one or more of the at least one node, and each data collector storing local information in a local knowledge base and providing a treatment dispensing unit, and at least one server, each server communicating with one or more of the at least one data collector, and each server updating a global knowledge base. The at least two conditions are utilized in
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